

# Notifiable Disease Surveillance Monthly Report

Metro Public Health Department



Date: July 27, 2005

## June 2005 Reported Notifiable Diseases at a Glance

Disease	June 2005	Cumulative through June 2005	June 2004	Cumulative through June 2004
AIDS*	30	140	35	151
HIV*	29	157	28	150
<b>Sexually Transmitted Diseases</b>				
Chlamydia	235	1,349	198	1,215
Gonorrhea	77	530	90	549
Primary and Secondary Syphilis	0	9	1	6
Other Syphilis	13	69	11	79
<b>Tuberculosis</b>	5	30	3	29
<b>Communicable Diseases **</b>				
Gastrointestinal Diseases <sup>1</sup>	30	288	18	62
Hepatitis A	3	18	0	11
DRSP/MRSA/VRE <sup>2</sup>	58	128	0	25
<i>Neisseria meningitidis</i> Disease	0	2	0	1
Bacteremia and meningitis caused by:				
<i>Haemophilus influenzae</i>	3	3	0	3
Group A streptococcus	6	14	0	9
Listeria monocytogenes	0	0	0	1
Other Bacteria <sup>3</sup>	13	64	0	19
Other Communicable Diseases	5	6	1	3
<b>Vaccine-preventable Diseases**</b>				
Influenza-like Illness <sup>4</sup>	0	1,345	0	184
Other <sup>4</sup>	3	18	1	4

\*Includes both Davidson County residents and non-Davidson County residents

\*\*Presented on this page by report date

<sup>^</sup>Includes cases reported as confirmed and probable

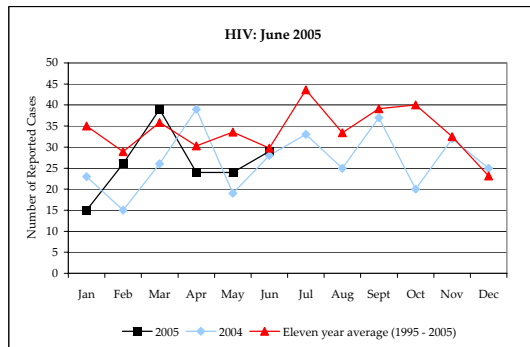
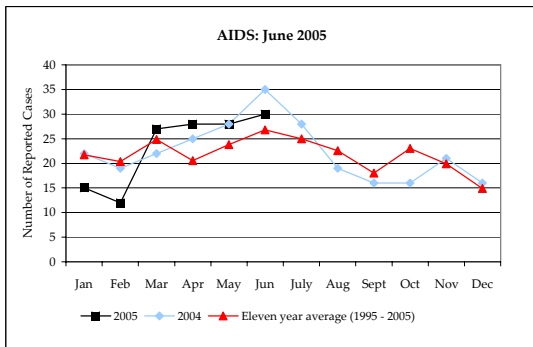
<sup>1</sup> Gastrointestinal diseases = campylobacteriosis, *E-coli* 0157:H7, giardiasis, salmonellosis, and shigellosis

<sup>2</sup>VRE = Vancomycin resistant enterococci / DRSP = drug resistant *Streptococcus pneumoniae*

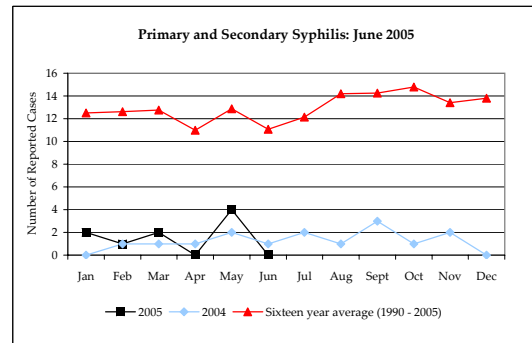
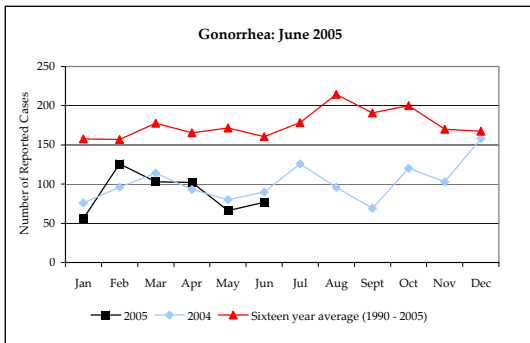
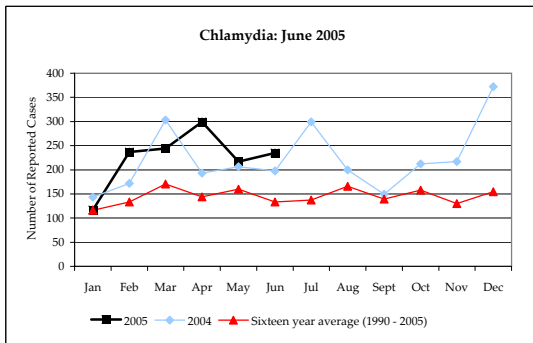
<sup>3</sup>See *Definitions and Technical Notes* for a list of bacteria included in this category

<sup>4</sup>Includes diphtheria, measles, mumps, pertussis, and tetanus

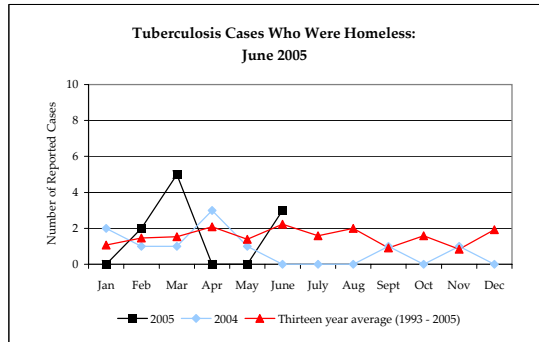
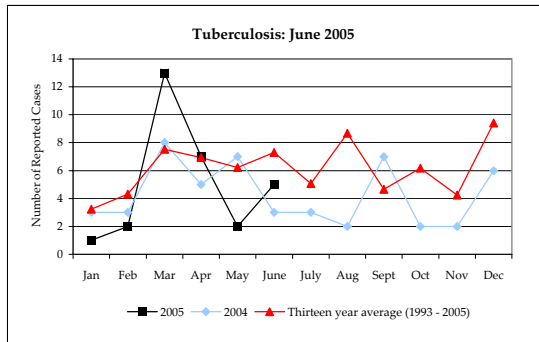
## HIV/AIDS



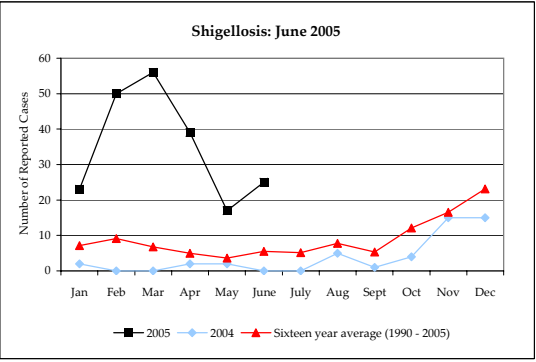
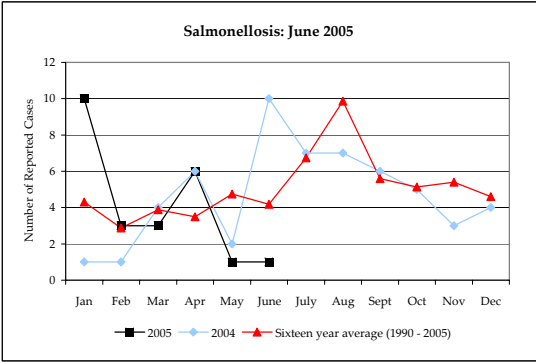
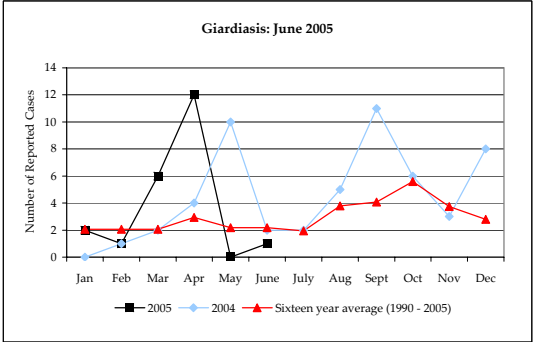
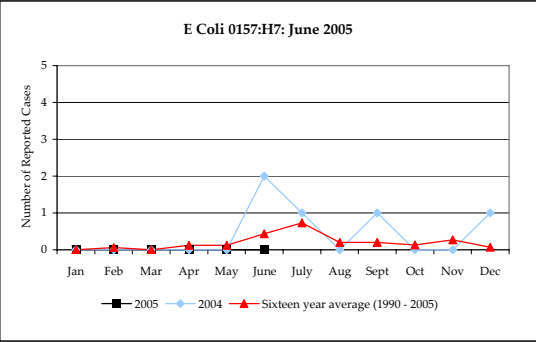
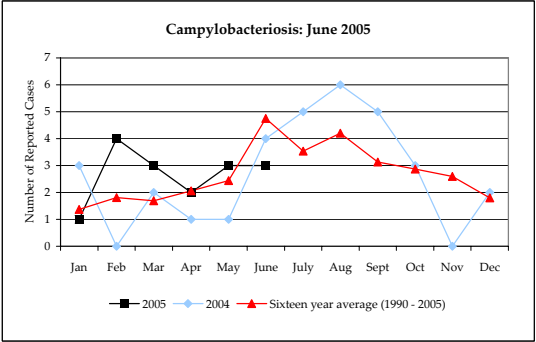
## Sexually Transmitted Diseases



## Tuberculosis

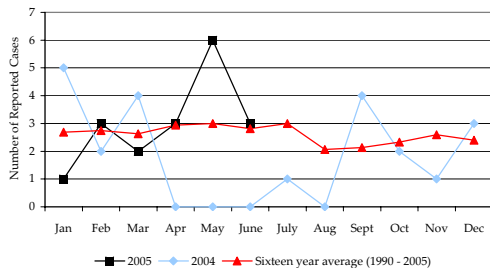


Gastrointestinal Diseases

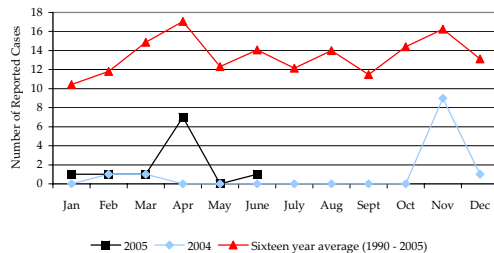


# Hepatitis

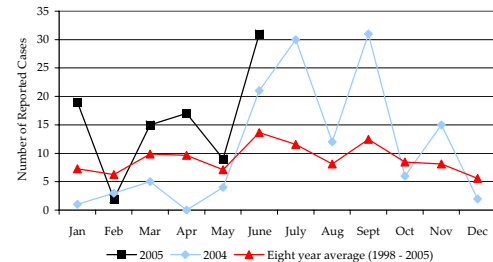
## Hepatitis A: June 2005



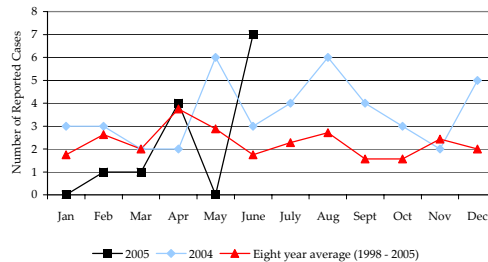
## Acute Hepatitis B: June 2005



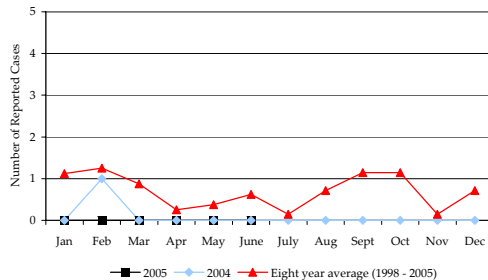
## Chronic Hepatitis B: June 2005



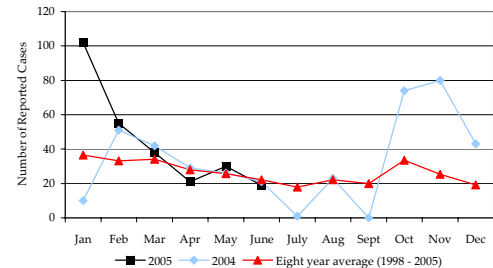
## Hepatitis B Perinatal: June 2005



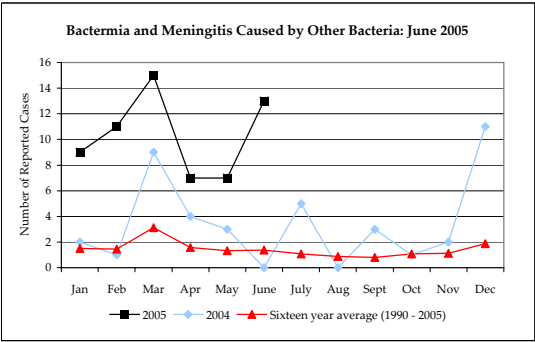
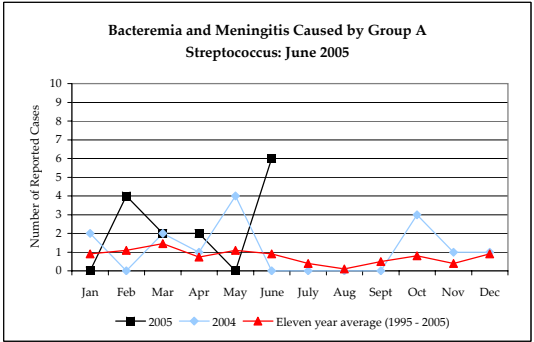
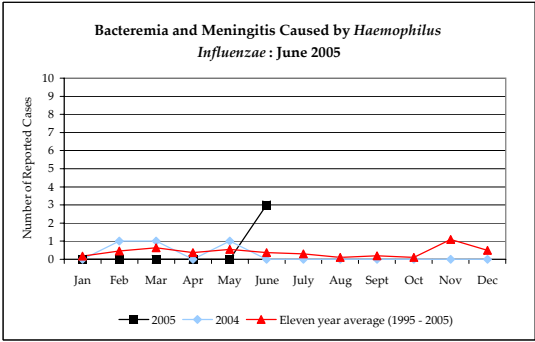
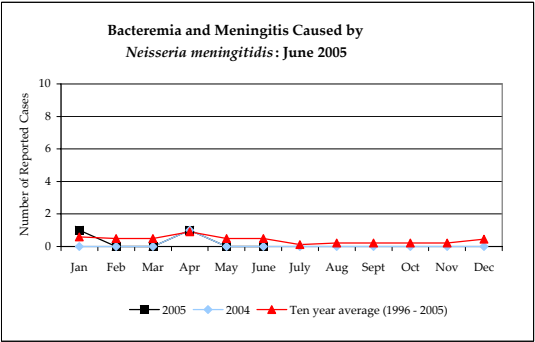
## Acute Hepatitis C: June 2005



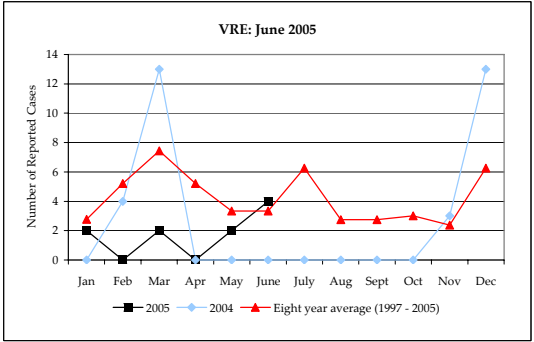
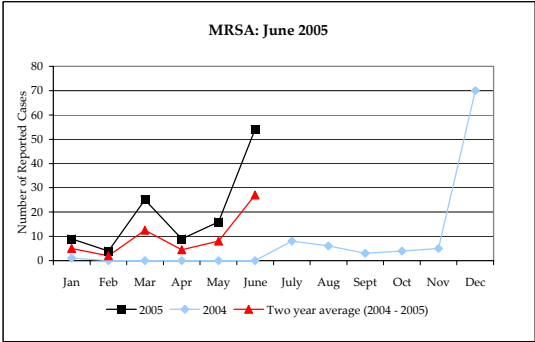
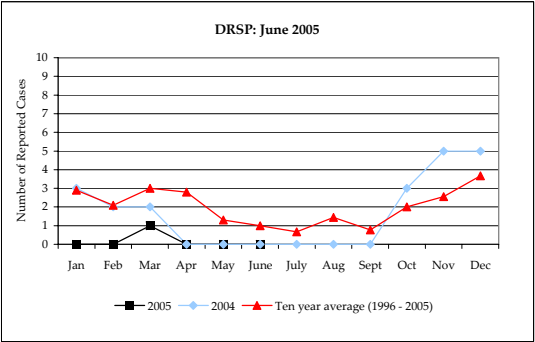
## Chronic Hepatitis C: June 2005



Meningitis

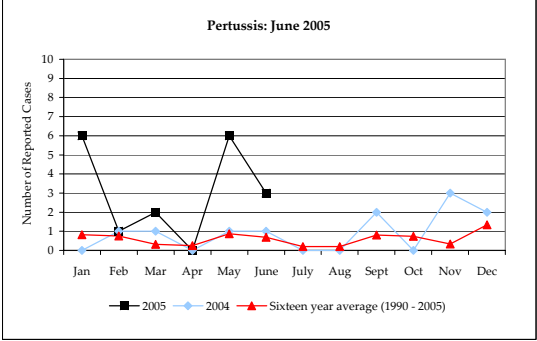
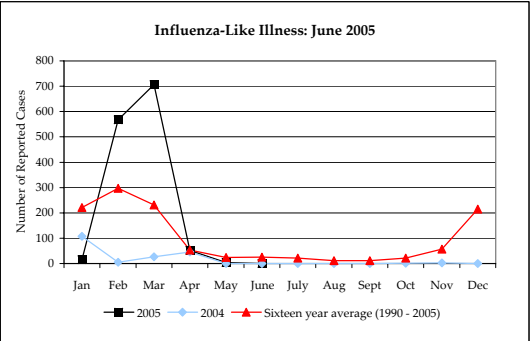


DRSP/MRSA/VRE



Other Communicable Diseases

Vaccine-preventable Diseases



# Notifiable Disease Surveillance Monthly Report: AIDS/HIV/STDs

## Month: June, 2005 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MPHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	June, 2004
AIDS/HIV																					
AIDS*	30	1	29	16	13	1	0	25	5	0	0	0	0	5	9	7	6	3	0	0	35
HIV*	29	5	24	15	13	1	0	24	5	0	0	0	0	5	12	10	0	2	0	0	28
Sexually Transmitted Diseases																					
Chlamydia	235	68	167	60	133	5	37	68	167	0	1	0	66	135	21	9	3	0	0	0	198
Gonorrhea	77	26	51	14	53	1	9	46	31	0	0	0	16	38	13	5	5	0	0	0	90
Syphilis, Primary	0																				0
Syphilis, Secondary	0																				1
Syphilis, Congenital	0																				0
Syphilis, Other	13	5	8	6	7	0	0	10	3	0	0	0	0	5	4	3	1	0	0	0	11
Total Syphilis	13	5	8	6	7	0	0	10	3	0	0	0	0	5	4	3	1	0	0	0	12
Total STDs	325	99	226	80	193	6	46	124	201	0	1	0	82	178	38	17	9	0	0	0	300
Syphilis Cases Who Were Homeless	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
Cumulative through June, 2005																					
AIDS/HIV																					
AIDS*	140	1	139	62	70	8	0	102	38	0	1	0	1	25	48	41	19	4	1	0	151
HIV*	157	23	134	84	60	13	0	120	37	0	1	1	3	39	63	33	12	5	0	0	150
Sexually Transmitted Diseases																					
Chlamydia	1,349	534	815	330	854	16	149	470	879	0	1	1	504	677	124	28	13	1	0	0	1,215
Gonorrhea	530	228	302	93	387	5	45	298	232	0	0	0	137	264	87	26	11	5	0	0	549
Syphilis, Primary	0																				0
Syphilis, Secondary	9	3	6	3	6	0	0	9	0	0	0	0	2	3	3	0	1	0	0	0	6
Syphilis, Congenital	0																				0
Syphilis, Other	69	18	51	28	39	2	0	43	26	0	0	0	1	19	21	15	5	3	5	0	79
Total Syphilis	78	21	57	31	45	2	0	52	26	0	0	0	3	22	24	15	6	3	5	0	85
Total STDs	1,957	783	1,174	454	1,286	23	194	820	1,137	0	1	1	644	963	235	69	30	9	5	0	1,849
Syphilis Cases Who Were Homeless	4	3	1	2	1	1	0	3	1	0	0	0	0	0	1	3	0	0	0	0	

Blank space = No report received



# Notifiable Disease Surveillance Monthly Report: AIDS/HIV Davidson County Resident Only

Month: June, 2005 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MPHD	Other	White	Black	Other	Unk	Male	Female	Unk	<1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	June, 2004
AIDS/HIV																					
AIDS	24	1	23	13	10	1	0	20	4	0	0	0	0	4	7	5	5	3	0	0	20
HIV	21	4	17	11	10	0	0	19	2	0	0	0	0	4	7	8	0	2	0	0	15
Cumulative Through June, 2005																					
AIDS/HIV																					
AIDS	100	1	99	37	58	5	0	73	27	0	1	0	1	17	32	31	13	4	1	0	111
HIV	106	20	86	49	49	8	0	79	27	0	1	1	2	25	41	24	7	5	0	0	106

## Notifiable Disease Surveillance Monthly Report: AIDS/HIV Non-Davidson County Resident Only

Month: June, 2005 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MPHD	Other	White	Black	Other	Unk	Male	Female	Unk	<1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	June, 2004
AIDS/HIV																					
AIDS	6	0	6	3	3	0	0	5	1	0	0	0	0	1	2	2	1	0	0	0	15
HIV	8	1	7	4	3	1	0	5	3	0	0	0	0	1	5	2	0	0	0	0	13
Cumulative Through June, 2005																					
AIDS/HIV																					
AIDS	40	0	40	25	12	3	0	29	11	0	0	0	0	8	16	10	6	0	0	0	40
HIV	51	3	48	35	11	5	0	41	10	0	0	0	1	14	22	9	5	0	0	0	44

# Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

## Month: June, 2005 by Date of Report

Disease	Reported Cases	Race				Gender			Age										Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	June, 2004
Gastrointestinal Diseases																			
Campylobacteriosis	3	1	1	0	1	3	0	0	0	0	2	0	0	0	1	0	0	0	4
E-Coli 0157:H7	0																		2
Giardiasis	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	2
Salmonellosis	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	10
Shigellosis	25	0	1	0	24	9	8	8	1	14	3	3	2	0	1	0	0	1	0
Total	30	2	2	0	26	14	8	8	2	14	5	4	2	0	2	0	0	1	18
Hepatitis A, B, and C																			
Hepatitis A	3	1	1	0	1	2	1	0	0	0	0	1	0	0	1	1	0	0	0
Hepatitis B																			
-Acute	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
-Chronic	31	1	1	3	26	7	23	1	0	0	3	11	7	3	6	0	1	0	21
-Perinatal	7	0	0	7	0	0	7	0	0	0	1	2	4	0	0	0	0	0	3
Hepatitis C																			
-Acute	0																		0
-Chronic	19	9	4	0	6	16	3	0	1	0	0	2	5	7	3	0	0	1	21
Total	61	11	6	10	34	26	34	1	1	0	4	17	16	10	10	1	1	1	45
Bacterial Meningitis and Bacteremia																			
Neisseria meningitidis Disease	0																		0
Bacteremia and meningitis caused by:																			
Haemophilus influenzae	3	3	0	0	0	1	2	0	0	0	0	1	0	0	0	1	1	0	0
Group A Streptococcus	6	0	3	1	2	3	3	0	0	1	0	0	0	1	2	1	1	0	0
Listeria monocytogenes	0																		0
Other Bacteria	13	10	2	0	1	9	4	0	0	0	0	0	3	3	3	0	4	0	0
Total	22	13	5	1	3	13	9	0	0	1	0	1	3	4	5	2	6	0	0
DRSP/MRSA/VRE																			
DRSP	0																		0
MRSA	54	30	19	1	4	29	24	1	0	2	2	3	6	12	10	6	13	0	0
VRE	4	2	0	0	2	1	3	0	0	0	0	0	0	1	1	1	1	0	0
Total	58	32	19	1	6	30	27	1	0	2	2	3	6	13	11	7	14	0	0
Other																			
Brucellosis	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Cryptosporidiosis	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Legionellosis	2	0	2	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0
Yersiniosis	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
Total	5	1	3	0	1	2	3	0	0	1	1	0	1	1	1	0	0	0	1
Total of Communicable Diseases	176	59	35	12	70	85	81	10	3	18	12	25	28	28	29	10	21	2	
Vaccine-preventable Diseases																			
Diphtheria	0																		0
Influenza-like Illness*	0																		0
Measles	0																		0
Mumps	0																		0
Pertussis	3	0	1	0	2	2	1	0	0	0	0	0	1	0	0	2	0	0	1
Tetanus	0																		0
Total	3	0	1	0	2	2	1	0	0	0	0	0	1	0	0	2	0	0	1

Blank space = No report received

\* Based on MMWR reporting weeks

# Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

## Cumulative Through June, 2005 by Date of Report

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	<1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	June, 2004	
Gastrointestinal Diseases																				
Campylobacteriosis	16	4	1	1	10	8	8	0		4	2	3	4	2	1	0	0	0	11	
E-Coli 0157:H7	0																		2	
Giardiasis	22	0	0	16	6	12	10	0	1	6	4	6	2	2	1	0	0	0	19	
Salmonellosis	25	3	5	0	17	12	9	4	4	7	1	5	3	2	1	0	1	1	24	
Shigellosis	225	17	35	4	169	83	100	42	7	169	13	11	10	4	3	0	1	7	6	
Total	288	24	41	21	202	115	127	46	12	186	20	25	19	10	6	0	2	8	62	
Hepatitis A, B, and C																				
Hepatitis A	18	2	4	2	10	11	7	0	0	4	2	4	1	3	1	2	1	0	11	
Hepatitis B																				
-Acute	11	2	0	0	9	7	4	0	0	0	0	4	4	2	0	1	0	0	2	
-Chronic	95	4	7	5	79	53	39	3	1	0	6	21	22	17	20	4	4	0	34	
-Perinatal	13	0	1	11	1	0	13	0	0	0	1	5	6	0	0	0	0	1	19	
Hepatitis C																				
-Acute	0																		1	
-Chronic	350	139	63	6	142	290	56	4	2	0	3	39	73	128	91	5	4	5	179	
Total	487	147	75	24	241	361	119	7	3	4	12	73	106	150	112	12	9	6	246	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease	2	1	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	1	
Bacteremia and Meningitis caused by:																				
Haemophilus influenzae	3	3	0	0	0	1	2	0	0	0	0	1	0	0	0	1	1	0	3	
Group A Streptococcus	14	6	5	1	2	11	3	0	0	2	0	0	0	2	4	2	4	0	9	
Listeria monocytogenes	0								0	0	0	0	0	0	0	0	0	0	1	
Other Bacteria	64	39	14	1	10	36	26	2	5	1	2	3	7	9	11	6	20	0	19	
Total	83	49	20	2	12	49	32	2	5	4	2	4	8	11	15	9	25	0	32	
DRSP/MRSA/VRE																				
DRSP	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	7	
MRSA	117	69	38	1	9	63	53	1	2	2	3	6	12	18	17	16	41	0	1	
VRE	10	4	4	0	2	4	6	0	0	0	0	0	0	1	2	1	6	0	17	
Total	128	73	43	1	11	68	59	1	2	2	3	6	12	19	19	17	48	0	25	
Other																				
Brucellosis	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	
Cryptosporidiosis	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	
Legionellosis	2	0	2	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	
Yersiniosis	2	0	1	0	1	0	2	0	0	0	1	0	1	0	0	0	0	0	1	
Total	6	1	3	0	2	2	4	0	0	1	1	0	2	1	1	0	0	0	3	
Total of Communicable Diseases	992	294	182	48	468	595	341	56	22	197	38	108	147	191	153	38	84	14		
Vaccine-preventable Diseases																				
Diphtheria	0																		0	
Influenza-like Illness*	1,345																		184	
Measles	0																		0	
Mumps	0																		0	
Pertussis	18	4	2	0	12	8	10	0	4	0	6	0	3	3	0	2	0	0	4	
Tetanus	0																		0	
Total	1,363	4	2	0	12	8	10	0	4	0	6	0	3	3	0	2	0	0	188	

Blank space = No report received

\* Based on MMWR reporting weeks

## Notifiable Disease Surveillance Monthly Report: Tuberculosis

### Month: June 2005 by Date of Report

Site	Reported Cases	Place of Diagnosis*		Race/Ethnicity						Gender			Age											Comments
		MHD	Other	White Non-Hisp	Black Non-Hisp	Hispanic	Amer. Ind/Alask. Nat.	Asian/Pac. Islander	Other	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk		
New Pulmonary Cases	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0		
New Extrapulmonary Cases	4	0	4	1	3	0	0	0	0	3	1	0	0	0	0	0	0	0	3	1	0	0		
New Cases in Dual Sites	0																							
New Homeless Cases	3	0	3	1	2	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	Total New Cases	
Total New Cases	5	1	4	1	4	0	0	0	0	4	1	0	0	0	0	0	0	0	4	1	0	0	June 2004: 3	
Cumulative Through June, 2005																								
Pulmonary																								
Total Cases	16	3	12	6	7	3	0	0	0	13	3	0	0	2	1	4	0	4	5	0	0	0		
Extrapulmonary																								
Total Cases	9	1	7	2	6	1	0	0	0	5	4	0	0	1	1	3	0	0	3	1	0	0		
Dual Sites																								
Total Cases	5	0	5	2	2	1	0	0	0	4	1	0	0	0	1	1	0	3	0	0	0	0		
All Sites																								
Total Cases	30	4	24	10	15	5	0	0	0	22	8	0	0	3	3	8	0	7	8	1	0	0		
Total Homeless Cases	11	1	11	3	7	1	0	0	0	11	0	0	0	0	0	1	0	5	5	0	0	0		
Total Drug-resistant Cases	6	1	5	0	5	1	0	0	0	5	1	0	0	0	0	1	0	2	3	0	0	0	Cumulative Total Thru	
Total Multi-drug resistant Cases																							June 2004: 29	
Total Cases with HIV Co-infection																								
Total Cases Foreign Born < 5 Years	6	1	4	1	4	1	0	0	0	5	1	0	0	0	1	3	0	1	1	0	0	0		
Total Cases Foreign Born > 5 Years	2	0	2	0	0	2	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0		

Blank space = No report received

\* Place of Diagnosis not provided for all (year-to-date) records

## Definitions and Technical Notes

1. Human Immunodeficiency Virus (HIV) / Acquired Immunodeficiency Syndrome (AIDS): Effective January 1, 2000, the Centers for Disease Control & Prevention (CDC) has established a new case definition for HIV infection in adults and children that includes revised surveillance criteria for HIV infection and incorporates the surveillance criteria for AIDS. For adults and children aged > 18 months, the HIV surveillance case definition includes laboratory and clinical evidence specifically indicative of HIV infection and severe HIV disease. For children aged <18 months (except for those who acquired HIV infection other than by perinatal transmission), the HIV surveillance case definition updates the definition in the 1994 revised classification system. The revised case definition includes HIV nucleic acid (DNA or RNA) detection tests and permits reporting of cases based on the result of any test licensed for diagnosing HIV infection in the U.S. The entire case definition may be found in MMWR, December 10, 1999 / Vol.48 / No. RR-13.

Effective January 1, 1993, the CDC expanded the AIDS surveillance to include all HIV infected adolescents and adults aged greater than or equal to 13 years who have either a) less than 200 CD4+ T-lymphocytes/uL; b) a CD4+ T-lymphocyte percentage of total lymphocytes of less than 14%; or c) any of the following three clinical conditions: pulmonary tuberculosis, recurrent pneumonia, or invasive cervical cancer. The expanded definition retained the 23 clinical conditions in the AIDS surveillance case definition published in 1987.

2. Sexually Transmitted Diseases (STDs): Sexually transmitted diseases are infections one can acquire by having sex (vaginal, oral, and/or rectal) with another who has the infection. Viruses or bacteria can cause STDs. Although there are many types of STDs, only HIV/AIDS, chlamydia, gonorrhea, and syphilis are required to be reported to the health department and are presented in this report. HIV/AIDS cases are tabulated separately from other STDs for programmatic reasons.

3. Communicable/Vaccine-preventable Diseases: Communicable diseases in this report are a selected group of notifiable diseases that are reported to the Metro Public Health Department of Nashville/Davidson County (MPHD) regularly (other than AIDS/HIV, STDs, and TB). Communicable diseases make up the largest portion of notifiable diseases, which are diseases that are required by law to be reported to the health department. Diseases that can be prevented by immunization include influenza, measles, mumps, polio, rubella (German measles), pertussis, diphtheria, tetanus, Haemophilus influenzae type b, hepatitis B, varicella (chickenpox), and others. Influenza, measles, diphtheria, mumps, pertussis, and tetanus are the six vaccine-preventable diseases listed regularly in this report, although others may be included as needed.

Communicable diseases not routinely listed in this report may be added as needed. Such diseases are classified as notifiable but tend to appear very infrequently. The cumulative, year-to-date data will reflect only communicable diseases that appear during the report month.

4. Tuberculosis: A chronic bacterial infection caused by Mycobacterium tuberculosis (MTB), characterized pathologically by the formation of granulomas. The most common site of infection is the lung, but other organs may be involved. A verified case of TB is a case that has laboratory confirmation of Mycobacterium tuberculosis (i.e., positive culture for MTB) or, in the absence of laboratory confirmation, a case that meets the clinical case definition. A clinical case meets all of the following criteria: 1.) It has a positive tuberculin skin test. 2.) Other signs and symptoms compatible with tuberculosis (e.g., an abnormal, unstable [i.e., worsening or improving] chest radiograph, or clinical evidence of current disease are present. 3.) There is treatment with two or more antituberculosis medications. 4.) A completed diagnostic evaluation. Because verification of a tuberculosis case according to the case definition as described above requires 6 – 8 weeks or longer, a case may be reported to the Tennessee Department of Health (TDOH) and presented in this report one to two months or longer after evaluation and care was initiated for the case.

Following evaluation for tuberculosis, some persons are determined to not have a laboratory confirmation of MTB or to meet the clinical case definition for the disease, and are therefore not reported to the TDOH.

A TB case should not be counted twice within any consecutive 12-month period. However, cases in which the patients had previously verified disease should be reported again if the patients were discharged from treatment. Cases also should be reported again if patients were lost to supervision for greater than 12 months and disease can be verified again. Mycobacterium diseases other than those caused by *M. tuberculosis* complex should not be counted in tuberculosis morbidity statistics unless there is concurrent tuberculosis. (Centers for Disease Control & Prevention case definition).

Information pertaining to tuberculosis cases who were homeless is provided beginning in December, 2000. Homeless is defined as:

- (1) An individual who lacks a fixed, regular, and adequate nighttime residence; or
- (2) An individual who has a primary nighttime residence that is:
  - (a) A supervised publicly or privately operated shelter designed to provide temporary living accommodations (including welfare hotels, congregate shelters, and transitional housing for the mentally ill); or
  - (b) An institution that provides a temporary residence for individuals intended to be institutionalized; or
  - (c) A public or private place not designated for, or ordinarily used as, a regular sleeping accommodation for human beings.

A homeless person may also be defined as a person who has no home, e.g., is not paying rent, does not own a home, and is not steadily living with relatives or friends. Another definition is a person who lacks customary and regular access to a conventional dwelling or residence. Included as homeless are persons who live on streets or in nonresidential buildings. Also included are residents of homeless shelters, shelters for battered women, welfare hotels, and single room occupancy (SRO) hotels which are not designated for permanent long-term housing. The term homeless is applied to any patient who meets the definition of homeless at any time during the 12 months prior to the time when the TB diagnostic evaluation was performed. (Definition from the TIMS User's Guide).

5. Surveillance: Surveillance is defined as continuous analysis, interpretation, and feedback of systematically collected data, generally using methods distinguished by their practicality, uniformity, and rapidity rather than by accuracy or completeness. By observing trends in time, place and persons, changes can be observed or anticipated and appropriate action, including investigative or control measures, can be taken. Sources of data may relate directly to disease or to factors influencing disease. Thus they may include (1) mortality and morbidity reports based on death certificates, hospital records, general practice sentinels, or notifications; (2) laboratory diagnoses; (3) outbreak reports; (4) vaccine utilization-uptake and side effects; (5) sickness absence records; (6) disease determinants such as biological changes in agent, vectors, or reservoirs; (7) susceptibility to disease, as by skin testing or serological surveillance (e.g., serum banks). This definition was taken from "A Dictionary of Epidemiology" third edition, edited by John M. Last, and published in 1995.

6. Event Date: Event date is defined as the earliest known date associated with the incidence of the disease. This date may be the date of disease onset, the date of clinical diagnosis, laboratory diagnosis, report to county health department, report to state health department, or as a last resort, any date associated with the case. For purposes of this report, event date is the date of laboratory diagnosis.

7. Report Date: Report date is defined as the date that the disease was reported to the Tennessee Department of Health or the MPH. D.

8. NETSS: National Electronic Transmitting Surveillance System

9. NEDSS: National Electronic Disease Surveillance System

10. TIMS: Tuberculosis Information Management System

11. HARS: HIV/AIDS Reporting System

12. HIV/AIDS/STD data:

- ◆ Provided by: Dan McEachern, Division of STD Control, and Nancy Horner
- ◆ Date: July 13, 2005 and July 15, 2005.
- ◆ Data Source: STD cases entered into the NETSS database by report date.
- ◆ HIV/AIDS cases entered into the HARS database during the calendar month of the report.
- ◆ Please note: Number of cases of HIV/AIDS may include both Davidson County residents and non-Davidson County residents. Resident vs. non-resident status is indicated on page ten. STD data presented is Davidson County resident data only.

13. Communicable/Vaccine-preventable diseases data:

- ◆ The data used to prepare the Communicable/Vaccine-preventable Diseases portion of this report were downloaded from NETSS and NEDSS on July 15, 2005 at the Metro Public Health Department by Nancy Horner, Division of Epidemiology.
- ◆ Data presented is Davidson County resident data only.

In June 2000, changes were made in how bacterial meningitis and bacteremia are presented in the report. These changes were made to 1) make the data more easily interpreted and 2) to more closely represent the manner in which the diseases are reported to CDC through NETSS. The NETSS event numbers used to report these bacteria to the CDC include both cases of meningitis and bacteremia caused by the bacteria. In order to determine whether a reported case is meningitis or bacteremia requires entry into the secondary screens of the NETSS system where laboratory specifics are entered, such as 1) specimen from which the organism was isolated (blood, cerebrospinal fluid, pleural fluid, peritoneal fluid, pericardial fluid, joint, placenta, amniotic fluid, and other) and 2) type of infection caused by the organism (primary bacteremia, meningitis, otitis media, pneumonia, cellulitis, epiglottitis, peritonitis, pericarditis, septic abortion, amnionitis, septic arthritis, conjunctivitis, other); and 3) serogroup. This report will provide only the total numbers for the represented categories. For specific information pertaining to numbers of bacterial meningitis vs. bacteremia, contact Pam Trotter at Ext. 632.

The bacteria included in the “Other Bacteria” category include: Group B streptococcus, *Streptococcus pneumoniae*, *Escherichia coli*, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Klebsiella* species, *Enterobacter* species, *Serratia* species, *Actinobacter* species, Group D streptococcus, and other streptococcus.

NEDSS is an initiative to promote data and information system standards for disease surveillance. It aims to promote data and information system standards for disease surveillance. The goal of NEDSS is the development of efficient, interoperable, and integrated surveillance systems at federal, state, and local levels by facilitating the electronic transfer of appropriate information from clinical information systems in the health care industry to public health departments.

In Nashville, communicable disease data began to be entered into the NEDSS database in March 2004. Data was entered into the NETSS database as well for comparison/quality check purposes until April 19, 2004. As of April 19, 2004, NEDSS became the primary data management system for communicable disease data in place of NETSS, except for follow-up to any cases previously entered into NETSS. Data for those cases will be managed in the NETSS system until the case is closed. For that reason, beginning with the April 2004 report, communicable disease data will be run from both the NEDSS and NETSS systems until all cases are closed in NETSS.

14. Tuberculosis data:

- ◆ Data pertaining to numbers of drug-resistant cases provided by Division of Tuberculosis Elimination.
- ◆ Date: not applicable
- ◆ Nancy Horner, Division of Epidemiology, ran the tuberculosis data from the TIMS database on June 16, 2005.
- ◆ Data Source: TIMS. Tuberculosis cases presented in this report reflect surveillance of new cases based on calendar month of report.
- ◆ Please note: Cases presented are primarily Davidson County residents, but may include some cases diagnosed, treated, and managed in Davidson County but residing in another county.

Because determination of drug/multi-drug resistance may require as long as 2 months, beginning with the October 2001 report this information will be presented only as cumulative data. Similarly, HIV reports may not be available to accurately reflect by month the HIV status of each case so HIV Co-infection status will be presented as cumulative data only.

15. Formatting Modifications:

In September of 2001, maps were added to the report. The maps are geographical representation of individual cases of diseases. The maps are produced using ArcView GIS Version 8.3.

In May of 2002, information pertaining to risk factors for hepatitis A and B were added to the report.

Beginning with the July 2004 report and continuing until modifications to the NEDSS system allow, communicable disease/vaccine-preventable disease information will be presented only by date of report to the MPHD as it is not possible to ascertain the event date. Similarly, due to the transition from NETSS to NEDSS, risk factor data for hepatitis A and B was made unavailable. The MPHD will examine the re-introduction of these data upon its availability.